

## DATA CLASSIFICATION TECHNIQUES FOR CANCER DATASET

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### Abstract

We are flooded with a huge volume of data and information. The tremendous amount of data, collected and stored in large databases, has far exceeded the human ability to analyze and extract valuable information for the purpose of decision-making support. Data mining has emerged as a new technology that can intelligently transform the vast amount of data into useful information and knowledge. Data mining tasks can vary from classification, association, to deviation detection. We focus on the classification technique. The objective of this research is to analyze the different techniques and algorithms of data classification with the intention of discovering the appropriate technique for the cancer dataset. The discovered technique must generate the most accurate classifier with the lowest error rate on predicting the class of unseen data.